User Manual

Introduction

The Serial ATA II ExpressCard provides a high performance platform for the notebooks to connecting to external SATA mass storage devices, i.e., external SATA to IDE enclosure, and SATA/SATA II hard disk. It employs a multi-port SATA generation II connectivity to minimize the host overhead and the host to device latency, and it incorporates the lead edge PCI-Express technology to allow the bandwidth rises up to 250MB/sec. It also supports the latest NCQ hard disks. With this NCQ feature, the hard disks perform more efficient, which means higher performance and longer lifetime of the hard disks.

Feature

- Compliant with ExpressCard/54mm standard
- Compatible to x1 Lane PCI-Express throughput
- Support SATA II specification with transfer rate up to 3Gb/s
- Backward compatible to SATA 1.0a specification
- eSATA compatible for all external ports
- Support hard disks with Native Command Queue (NCQ) feature
- Capability to connect to a Port Multiplier with FIS based switching
- Fully Plug and Play, Hot plugging supported
- Windows 2000, XP supported

WARNING

Before installing and activating the controller card, please make sure you have a complete backup of your existing data from hard drives. Manufacturer is not responsible for data loss due to abuse, misuse, or neglect. Should you have any installation problem, please contact your dealer for assistance.

Installing Windows drivers for the Controller Card

Before the installation of the controller card, let us make the following assumptions:

1. The end users must have the basic knowledge of installing a device and its driver to a notebook. If they are not sure about their abilities or have any queries, please call their local dealers immediately, or find somebody who is experienced and qualified for assistance.

2. The notebook has been properly installed with our supported Windows operating system

Installing the controller card into the notebook

1. Insert the controller card into an empty ExpressCard/54mm slot. As the card supports Hot Plug function, it could be inserted into the ExpressCard/54mm slot while notebook is in power on or power off condition.

2. When the card is detected, the OS will ask for the software driver. To install the software driver, read the next section

3. Connect the external SATA/SATA II devices with the eSATA cables to the output ports of the controller card (external devices and cables are not included in this package).

4. If the external hard disks installed are blank, do not forget to set partition and format them before use

Installing Windows driver for the controller card

1. Once Windows is running, a new controller card is detected.
2. Insert the **Drivers & Utility** CD into the CDROM, assume drive D
3. When Windows ask for the driver for the new controller card, browse to the following folder
   D:/Silicon_Image/SIL3132/Windows
4. Press **OK** to confirm
5. Press **Next** to continue the installation
6. Follow the on screen instructions until the driver is totally installed

Checking the status of the installed driver

1. Right click on the icon of **My Computer** and choose **Properties**
2. Choose **Device Manager**
3. Left click on the "+" sign of the **SCSI and RAID controller**
4. The following device should be shown
   Silicon Image Sil 3132 SATALink Controller
5. Right click on the device above and choose **Properties**
6. Check the **Device status** in the **General** window. The following should be shown

This device is working properly

Notice:

When the device driver is properly installed, there will not be any question or exclamation mark shown against this device. If yes, check the following

1. The driver for the controller card is installed straightly according to the procedure listed above
2. If an older version driver is installed previously
3. The driver for a similar product is installed
4. In the worst case, the controller card is defective. Please contact your local dealer or distributor immediately

All specifications and information are subjected to change without prior notice.
All logos and trademarks referenced are the registered trademark of their respective owners.